AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1.-50. (Canceled).

51. (New) A digital television (DTV) comprising:

a receiver receiving digital television (DTV) stream, the DTV stream containing an event information table (EIT) that carries a program schedule for a virtual channel, the EIT including a genre descriptor, the genre descriptor comprising:

a descriptor tag field identifying the descriptor as a genre descriptor;

a descriptor length field, which is an 8-bit unsigned integer, specifying a length, in bytes, of fields which immediately follow the descriptor length field to an end of the genre descriptor, wherein the fields include:

at least one attribute code value for an associated event in the DTV stream, each attribute code value specifying a basic genre or category type or detail attribute for the associated event, the at least one attribute code value matching a value in a categorical genre code assignments table defined in Advanced Television Standards Committee (ATSC) A/65 standard;

wherein the at least one attribute code value is defined in the categorical genre code assignments table that is ordered from basic genre or category type to detail attribute, and the genre descriptor references entries in the categorical genre code assignments table, and when a plurality of attribute code values are included in the genre descriptor, the basic genre or category type or the detail attribute values are specified by 8-bit unsigned integers; and

wherein the genre descriptor accommodates a variable number of attribute code values.

52. (New) The DTV of claim 51, wherein the plurality of attribute code values are retrieved sequentially.

53. (New) The DTV of claim 51, wherein the basic genre or category type attribute comprises at least one of education, entertainment, movie, news, religion, and sports.

54. (New) The DTV of claim 51, wherein the receiver generates an Electronic Program Guide (EPG) as a function of the at least one attribute code value.

55. (New) A digital television (DTV) transmitter comprising:

a PSIP encoder generating an event information table (EIT), the EIT being inserted in a digital television (DTV) stream, the EIT carrying a program schedule for a virtual channel, the EIT including a genre descriptor, the genre descriptor comprising:

a descriptor tag field identifying the descriptor as a genre descriptor;

a descriptor length field, which is an 8-bit unsigned integer, specifying a length, in bytes, of fields which immediately follow the descriptor length field to an end of the genre descriptor, wherein the fields include:

at least one attribute code value for an associated event in the DTV stream, each attribute code value specifying a basic genre or category type or detail attribute for the associated event, the at least one attribute code value matching a value in a categorical genre code assignments table defined in Advanced Television Standards Committee (ATSC) A/65 standard;

wherein the at least one attribute code value is defined in the categorical genre code assignments table that is ordered from basic genre or category type to detail attribute, and the genre descriptor references entries in the categorical genre code assignments table, and when a plurality of attribute code values are included in the genre descriptor, the basic genre or category type or the detail attribute values are specified by 8-bit unsigned integers; and

wherein the genre descriptor accommodates a variable number of attribute code values.

56. (New) The DTV transmitter of claim 55, wherein the plurality of attribute code values are transmitted sequentially.

57. (New) The DTV transmitter of claim 55, wherein the basic genre or category type attribute comprises at least one of education, entertainment, movie, news, religion, and sports.